The International Association of Ice Cream Manufacturers launched its ICE CREAM FOR AMERICA promotion in 1983 to increase consumer awareness for ice cream, largely by reminding consumers of their predisposition to enjoy ice cream. The ICE CREAM FOR AMERICA campaign serves as an umbrella program for individual company activities, all integrated by the servicemarked ICE CREAM FOR AMERICA logo. It now consists of three integral parts -- marketing and promotion activities, public relations programs, and an extensive advertising effort.

Ice cream companies are participating in the promotion by developing point-of-purchase materials and in-store promotions for their brands, and sponsoring local charitable events and community activities. Additionally, the promotion is geared to generate extensive national and local publicity on ice cream, through stories and articles in national and trade publications.

In 1985, IAICM cooperated with the National Dairy Promotion and Research Board in the planning, development and implementation of an extensive advertising effort. Member companies of the IAICM agreed to increase their own branded advertising expenditures, and the National Dairy Board agreed to spend $5 million on a nonbranded ice cream advertising program. It was all coordinated and tied to the ICE CREAM FOR AMERICA program and its logo.

The month of July has been designated as National Ice Cream Month, and the second Sunday in July as National Ice Cream Day by the United States Congress and presidential proclamation.

The third annual Capitol Hill Kickoff of ICE CREAM FOR AMERICA was held on June 20. Over 8,000 people attended the Kickoff, including Senators, Congressmen, and Administration officials, their staffs and families. They enjoyed 2,500 gallons of ice cream, 300 pounds of candy and nuts, 7,000 novelties, 160 gallons of toppings and 200 gallons of root beer.

A5750-2

THE LATEST SCOOP

1985 EDITION

W O R L D W I D E

FACTS & FIGURES ON ICE CREAM
& RELATED PRODUCTS

Published by

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FOREWORD

This edition of "The Latest Scoop" contains updated data on flavors of ice cream and packaging. In addition, its performance in the supermarket is also reported. With the many new foods now appearing in the frozen food display case, ice cream still retains its popularity and is high on the list of the consuming public.

"The Latest Scoop" also reports other trends taking place in the industry and contains information on production and consumption in the United States, Canada and 53 other countries.

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Additional copies to IAICM members -- 1-24 copies $1.50 per copy; 25-99 copies $1.25; 100-499 copies $1.00; over 500 copies $0.75. Minimum order $7.50. Copies to nonmembers, $7.50 each.

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How It All Started

Ice cream probably evolved from chilled wines and other iced beverages. In the fourth century before Christ, Alexander the Great was reputed to be fond of iced beverages.

And, from ancient records, it is learned that in 62 A.D., the Roman Emperor, Nero, sent fleets of slaves to the mountains of the Apennines to fetch snow and ice which were then flavored with nectar, fruit pulp and honey.

Marco Polo, the 13th century bard and adventurer, brought with him to Europe from the Far East, recipes for water ices...said to be used in Asia for thousands of years. These water ices became popular in Venice and throughout Italy.

When Catherine de Medici married Henry II and became Queen of France in 1533, she brought with her recipes for Italian sherbet. It is said that her son, Henry III, was addicted to these delicacies and consumed them daily.

In 1660 the Cafe Procope was founded in Paris by an Italian named Coltelli, and water ices and possibly cream ices were manufactured and dispensed.

This delicacy found its way to America and in 1700 Governor Bladen of Maryland was serving ice cream to his guests.

Dolley Madison created a sensation when she served ice cream as a dessert in the White House at the second inaugural ball in 1812.

The first hand-cranked freezer was invented by Nancy Johnson in 1846. She failed to patent it, however, and a similar type was patented by a Mr. Young in 1848.

The first commercial ice cream plant was established in Baltimore in 1851 by Jacob Fussell.

A year before the turn of the century, August Gaulin of Paris invented the homogenizer which is used to help develop the smooth texture of ice cream.

With the coming of mechanical refrigeration, the first batch freezer was invented by H. H. Miller of Canton, Ohio. About 1926, the first continuous freezer was commercially perfected by Clarence Vogt of Louisville, Kentucky.

The ice cream cone was first made and sold at the St. Louis World's Fair in 1904. It has remained a favorite to this date, with billions of cones consumed each year. Other products, such as ice cream on sticks, ice cream bars and other forms of ice cream; ice milk and sherbet, known in the industry as "novelties" had their beginning in the 1920s.

How Ice Cream Is Made

The basic mix for the manufacture of ice cream is largely cream and other milk ingredients, plus sweeteners.

The ingredients of the mix are carefully blended in proper proportions in a mixing tank. The mix may contain small amounts of functional ingredients, such as stabilizer, which prevents the formation of ice crystals in the ice cream after it is frozen.

The mix goes to a pasteurizer where it is heated and held at a predetermined temperature for a specified period of time. The most common type of pasteurization is the high-temperature-short-time method in which the mix is heated to 175 degrees F. and held for 25 seconds.

The hot mix then goes to the homogenizer where, under pressure of from 2,000 to 2,500 pounds per square inch, the milkfat globules are broken into still smaller particles to help make the ice cream smooth.

After homogenization, the hot mix is quickly cooled to a temperature of about 40 degrees F.

Next, freezing of the mix is accomplished by one of two methods: a "continuous freezer" which uses a steady flow of mix; or a "batch freezer" which makes a single quantity of ice cream at a time.

While the ice cream is being frozen, blades in the freezer, or "dashers" as they are commonly called, whip and aerate the products. Without this aeration, the finished product would be an inedible, solidly frozen mass of cream, milk, sugar and flavoring. In all states, this aeration, called "overrun," is controlled by requiring the finished ice cream shall weigh not less than 4.5 pounds per gallon and contain at least 1.6 pounds of total food solids.

With the use of the continuous freezer, ingredients such as fruits and nuts are added after the freezing by a mechanical flavor feeder. Liquid flavors are added to the mix prior to freezing.

The filling operation includes many activities such as filling large containers, half gallon, quart and pint packages, paper cups or molds for ice cream on a stick.

After the freezer and filling, ice cream goes to the "hardening room" where sub-zero temperatures further harden the ice cream. From the hardening room, it is loaded into refrigerated trucks for delivery to distributors or retailers.

REVIEW

United States

- In 1984, record high volumes for the production of ice cream and for all ice cream products were established. Total volume of all products amounted to 1.3 billion gallons, up 1%. Ice cream production totaled 883.5 million gallons.

- Ice cream continues to dominate the market and represents 68% of total production, followed by ice milk 23%, sherbet 3.5%, water ices 3.28%, with the balance other frozen dairy products and mellorine.

- The retail value of ice cream and related products is about $8 billion.

- For the second consecutive year, June was the highest producing month of ice cream and related products accounting for 11% of the total. December ranked the lowest in 1984 with 6%.

- The New England area reported the highest per capita production of ice cream, 23 quarts, with the North West Central region in second place with 21.6 quarts. The North West Central region also claimed the highest per capita production of ice milk, 8 quarts, and the total of all ice cream products of 33 quarts.

- Eighty percent of ice milk is soft serve, while only 4% of ice cream is produced in this form.

- California produced the largest amount of ice cream and related products with a total volume of 150 million gallons, 11.5% of the nation's output. Pennsylvania ranked second with a total gallonage of 102 million.

- Ice cream plants, excluding counter freezers, totaled 853 in 1984, down 10% from 1980.

- Capital expenditures for new plants and equipment in the ice cream industry totaled $80 million for 1982, $63.6 million of which was used for equipment and $16.3 for new plants.

- Sixty-five percent of all packaged ice cream is in half gallon containers.

- There has been a change in the top five flavors of ice cream. The perennial favorite, Vanilla, still remains the top choice, 32% of the total consumed, followed by Chocolate 9%, Neapolitan 6.4%, Vanilla Fudge 4.1%, and a relative newcomer, Cookies 'n Cream, with 3.8%.

- Raw material costs accounted for 52.5% of the ice cream processor's dollar, down 2% from 1983.

- The industry employs 18,000 people and has an annual payroll of $313.5 million.

Preliminary

1985 PRODUCTION

(Thousand Gallons)

Month	Ice Cream 1985	Ice Cream % Change from 1984	Ice Milk 1985	Ice Milk % Change from 1984	Sherbet (Hard) 1985	Sherbet (Hard) % Change from 1984
January	58,961	+ 7.1	17,649	+ 3.9	2,917	+10.6
February	59,159	-11.1	18,708	- 8.8	2,817	- 0.4
March	72,155	- 7.4	24,453	0.0	3,851	+ 1.8
April	74,389	+ 0.6	28,398	+12.9	4,244	+ 7.9
May	83,658	+ 1.5	33,578	+10.3	4,941	+13.7
June	87,536	- 3.2	32,833	- 2.4	4,886	- 9.1
6-Month Total	435,858	- 2.4	155,619	+ 2.9	23,656	+ 3.3

PRODUCTION AND PER CAPITA - 1984

	1984	% Change from 1983
Total - Ice Cream & Related Products 1/	1,303,031,000 gals.	+ 0.60
Per Capita Production	22.07 qts.	- 0.32
Ice Cream (Hard and Soft)	883,525,000 gals.	+ 0.22
Per Capita Production	14.96 qts.	- 0.73
Ice Milk (Hard and Soft)	299,624,000 gals.	+ 1.60
Per Capita Production	5.08 qts.	+ 0.79
Sherbet (Hard and Soft)	47,292,000 gals.	- 0.92
Per Capita Production	0.80 qts.	- 1.84
Water Ices (Hard) 2/	41,613,000 gals.	+ 5.55
Per Capita Production	0.70 qts.	+ 4.60
Mellorine (Hard and Soft)	8,236,000 gals.	-18.34
Per Capita Production	0.14 qts.	-19.03

1/ Includes a small amount of other frozen dairy products.
2/ Excludes production of water ices by counter freezers.

INTERNATIONAL REVIEW

The United States continues as the largest consumer of ice cream and related products with a per capita production of 44.13 pints. Per capita production of ice cream was 29.93 pints.

Australia follows with a per capita production of all products of 37.21 pints. Ice cream per capita was 26.07 pints.

New Zealand is the third largest consumer reporting a per capita production of 35.87 pints for all ice cream products and 32.37 pints of ice cream.

Canada has the fourth highest per capita of ice cream and related products of 31.88 pints and a per capita of ice cream of 26.01 pints.

Sweden, with a per capita production of 28.57 pints for all ice cream products and 25.25 pints of ice cream ranks in fifth place.

DEFINITIONS

- Selected Frozen Desserts -

ICE CREAM is a frozen food made from a mixture of dairy products, such as milk, cream and nonfat milk, combined with sugars, flavorings, fruits, nuts, etc. Ice cream which contains at least 1.4% egg yolks is called french ice cream or frozen custard. Ice cream and french ice cream contain a minimum of 10% milkfat and weigh not less than 4.5 pounds per gallon.

ICE MILK is a frozen dessert which is similar to ice cream except that it contains between 2% to 7% milkfat.

SHERBET, both fruit sherbet and those flavored with flavors other than fruit, contains between 1% to 2% milkfat and weighs not less than 6 pounds per gallon.

WATER ICES, both fruit ices and those flavored with flavors other than fruit, contain no dairy ingredients and weigh not less than 6 pounds per gallon.

MELLORINE is a frozen dessert similar to ice milk in which the milkfat is replaced, in whole or in part, with vegetable fat and the minimum fat content is 6%.

NUTRITION HIGHLIGHTS 1/

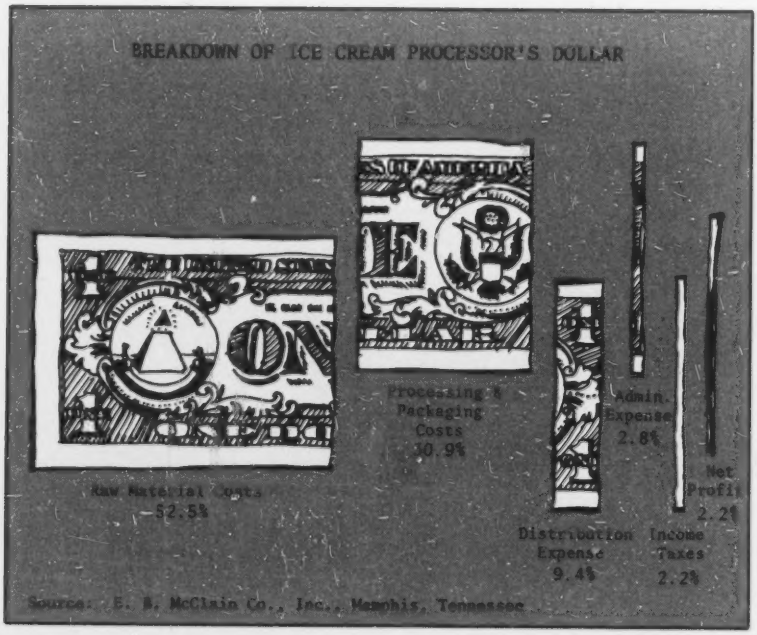
	Calories	Protein g.	Carbohydrate g.	Fat g.	Vitamin A I.U.	Calcium mg.	Phosphorus mg.	Riboflavin mg.
Vanilla Ice Cream (10% fat)	130	2.3	15.3	6.9	261	84	64	.158
% U.S. RDA 2/		*5.1%*			*5.2%*	*8.4%*	*6.4%*	*9.3%*
Vanilla -Ice Cream (16% fat)	151	1.8	13.8	10.2	388	65	50	.122
% U.S. RDA 2/		*3.9%*			*7.8%*	*6.5%*	*5.0%*	*7.2%*
Vanilla Ice Milk (4% fat)	90	2.5	14.2	2.8	104	85	63	.169
% U.S. RDA 2/		*5.6%*			*2.1%*	*8.5%*	*6.3%*	*9.9%*
Orange Sherbet (2% fat)	90	.72	19.5	1.3	61	34	24	.029
% U.S. RDA 2/		*1.6%*			*1.2%*	*3.4%*	*2.4%*	*1.7%*

1/ Values presented per 1/2 cup (approximately 4 fluid ounces). Source: Calculated from USDA Agricultural Handbook 8-1 (November 1976) data.

2/ United States Recommended Daily Allowance.

THE "REAL" PRICE OF ICE CREAM
1974-1984

Year	Average Wages Production Workers $ per Hour	Average Retail Price of Ice Cream ¢ per ½ Gallon	Labor Required to Purchase Half Gallon of Ice Cream Minutes
1974	4.42	107.6	14.6
1975	4.83	122.3	15.2
1976	5.22	127.1	14.6
1977	5.68	135.2	14.3
1978	6.17	146.2	14.2
1979	6.70	163.3	14.6
1980	7.27	182.3	15.0
1981	7.99	201.6	15.1
1982	8.49	210.3	14.9
1983	8.83	215.8	14.7
1984	9.18	221.8	14.5
% Change 1974-1984	+108%	+106%	-1%


BREAKDOWN OF ICE CREAM PROCESSOR'S DOLLAR
Processing & Packaging Costs 30.9%
Admin. Expense 2.8%
Net Profit 2.2%
Distribution Expense 9.4%
Income Taxes 2.2%
Source: E. B. McClain Co., Inc., Memphis, Tennessee

PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
BY STATES AND REGIONS - 1984

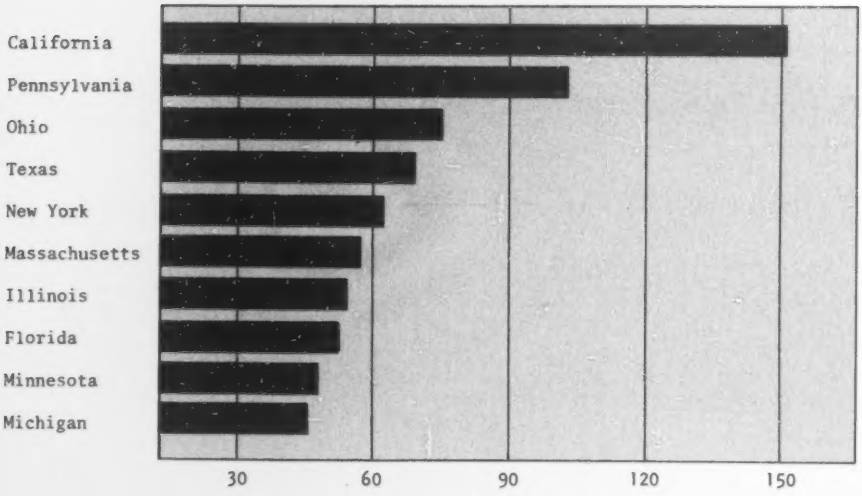
STATE & REGION	ICE CREAM	ICE 1/ MILK	SHERBET	WATER ICES	MELLORINE TYPE PRODUCTS	OTHER FROZEN DAIRY PRODUCTS	TOTAL FROZEN PRODUCTS
			(Thousand Gallons)				
NEW ENGLAND							
Maine	2/	2/	2/	2/			2/
New Hampshire	2/	2/	2/				2/
Vermont	2/	2/	2/				2/
Massachusetts	46,862	7,802	2,155	2/		2/	56,819
Rhode Island	2/	2/	2/	2/		2/	2/
Connecticut	2/	2/	2/	2/		2/	2/
MID ATLANTIC							
New York	46,466	10,309	2,425	2,426	2/	2/	61,626
New Jersey	26,298	4,123	170	305			30,896
Pennsylvania	80,250	14,901	3,845	1,975		969	101,940
E. N. CENTRAL							
Ohio	47,268	18,231	3,003	2,943		1,564	73,009
Indiana	27,332	6,184	2,064	1,946		971	38,497
Illinois	32,860	19,559	1,760	735	716	2/	55,630
Michigan	31,398	10,006	1,425	2/	2/	306	43,135
Wisconsin	22,231	4,914	917	1,977		2/	30,039
W. N. CENTRAL							
Minnesota	37,342	8,590	1,727		2/	2/	47,659
Iowa	18,747	7,061	1,890	2/	698	2/	28,396
Missouri	20,657	8,717	985	2/	2/	2/	30,359
North Dakota	2,233	964	183	2/			3,380
South Dakota	2/	2/					2/
Nebraska	7,502	4,090	2/	2/		2/	11,592
Kansas	8,173	5,146	492	2/		2/	13,811
SOUTH ATLANTIC							
Maryland & D.C.	13,764	6,209	1,385	1,272		2/	22,630
Virginia	12,880	7,237	310	156	2/	2/	20,583
West Virginia	2,793	2,328	165	2/		2/	5,286
North Carolina	28,773	8,595	1,057	1,562		2/	39,987
South Carolina	11,428	3,652	1,117	2/		2/	16,197
Georgia	8,143	10,258	505	2/	2/	2/	18,906
Florida	34,924	16,584	1,906	2/	2/	2/	53,414
SOUTH CENTRAL							
Kentucky	2/	2/	2/	2/	2/	2/	2/
Tennessee	19,135	5,536	933	1,225	19	206	27,054
Alabama	17,115	6,548	1,244	2/	2/	2/	24,907
Mississippi	4,444	3,056	228	570			8,298
Arkansas	6,145	3,366	607		621		10,739
Louisiana	9,779	5,135	598	2/		2/	15,512
Oklahoma	11,092	4,187	637	272	138	228	16,554
Texas	44,898	15,925	2,680	1,852	3,353	2/	68,708
MOUNTAIN							
Montana	1,984	1,017	88	2/	2/	2/	3,089
Idaho	4,751	1,255	257	2/			6,263
Wyoming	2/	2/	2/				2/
Colorado	9,592	5,407	448	347		58	15,852
New Mexico	2/	2/	2/	2/	2/		2/
Arizona	6,565	4,198	626	2/	2/		11,389
Utah	8,108	2,451	507	1,261			12,327
Nevada	2/	2/	2/		2/		2/
PACIFIC							
Washington	17,500	7,804	1,412	2/	2/	2/	26,716
Oregon	9,253	5,088	355	2/	2/		14,696
California	106,689	29,085	5,050	4,270	665	4,368	150,127
Other States 3/	38,151	14,106	2,136	16,519	2,026	14,071	87,009
UNITED STATES	883,525	299,624	47,292	41,613	8,236	22,741	1,303,031

1/ Includes freezer-made milkshake.
2/ State data not shown when less that 3 plants reported or individual operations might be disclosed -- included in "Other States" with Alaska and Hawaii.
3/ Includes varying states for each product

Prepared by International Assn. of Ice Cream Mfrs. from data published by U. S. Department of Agriculture.

PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
TEN LEADING STATES, 1984

(Thousand Gallons)



PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
TEN LEADING STATES, 1984

State	Ice Cream	Ice Milk	Sherbet	Water Ices	Mellorine Type Products	Total 1/
			(Thousand Gallons)			
California	106,689	29,085	5,050	4,270	665 2/	150,127
Pennsylvania	80,250	14,901	3,845	1,975		101,940
Ohio	47,268	18,231	3,003	2,943		73,009
Texas	44,898	15,925	2,680	1,852	3,353	68,708
New York	46,466	10,309	2,425	2,426		61,626
Massachusetts	46,862	7,802	2,155			56,819
Illinois	32,860	19,559	1,760	735	716	55,630
Florida	34,924	16,584	1,906			53,414
Minnesota	37,342	8,590	1,727			47,659
Michigan	31,398	10,006	1,425			43,135
TOTAL - 10 STATES	508,957	150,992	25,976	14,201	4,734	712,067
PERCENT OF U.S. TOTAL	57.6%	50.4%	54.9%	34.1%	57.5%	54.6%

1/ Includes small amounts of other frozen products in addition to those shown separately.

2/ Designated as "Imitation Ice Cream" or "Imitation Ice Milk" in California.

Prepared by the International Association of Ice Cream Manufacturers from data published by the U. S. Department of Agriculture.

EMPLOYEES, WAGES AND VALUE OF SHIPMENTS
FROZEN DESSERTS INDUSTRY, 1947-1982

Year	All Employees 1/		Production Workers 1/		Wages 1/	Value of Product Shipments 2/
	Number	Payroll	Number	Manhours		
	Thousands	Million Dollars	Thousands	Millions	Million Dollars	Million Dollars
1947	46.7	119.3	29.3	52.8	66.1	802.0
1954	36.5	134.2	21.0	42.4	64.2	954.3
1958	34.8	153.9	18.7	37.7	72.4	1,137.7
1963	29.6	162.8	15.6	32.5	76.6	1,210.0
1967	24.6	156.4	13.8	27.2	77.2	1,273.6
1968	23.7	158.2	13.2	26.6	79.8	1,330.0
1969	22.7	159.2	12.6	25.4	80.6	1,334.8
1970	24.1	166.8	13.9	26.1	85.9	1,343.2
1971	22.6	173.5	12.8	25.1	87.7	1,389.0
1972	21.1	184.7	12.0	23.5	94.7	1,519.4
1973	21.3	195.9	12.1	24.1	100.0	1,639.5
1974	21.3	196.5	11.8	22.9	108.0	1,787.9
1975	20.2	208.5	11.1	22.0	116.4	2,012.9
1976	20.3	223.6	11.3	22.3	125.3	2,063.3
1977	19.1	247.0	11.4	22.7	130.1	2,229.4
1978	18.5	252.5	11.3	21.9	136.6	2,397.2
1979	19.9	277.4	12.3	24.3	151.9	2,733.2
1980	19.6	288.6	12.3	23.7	163.0	3,041.5
1981	20.1	325.6	12.0	23.0	167.1	3,322.1
1982	17.8	313.5	11.1	20.9	177.3	3,281.1

1/ Data for plants with ice cream and other frozen desserts as the leading product group in value of shipments.

2/ Includes value of shipments of ice cream and other frozen desserts by plants classified in other industries, such as fluid milk.

Source: Bureau of the Census, U. S. Department of Commerce.

CAPITAL EXPENDITURES FOR NEW PLANTS AND EQUIPMENT
FROZEN DESSERTS INDUSTRY, 1947-1982

Year	Total Million Dollars	For Plants Million Dollars	Share of Total Percent	For Equipment Million Dollars	Share of Total Percent
1947	36.0	5.4	15.0	30.6	85.0
1954	25.7	4.2	16.3	21.5	83.7
1958	26.1	5.1	19.5	21.0	80.5
1963	31.9	8.1	25.4	23.8	74.6
1967	26.6	5.7	21.4	20.9	78.6
1968	22.1	2.8	12.7	19.3	87.3
1969	30.3	5.6	18.5	24.7	81.5
1970	43.7	15.8	36.2	27.9	63.8
1971	28.0	5.7	20.4	22.3	79.6
1972	35.8	7.5	20.9	29.3	79.1
1973	29.2	9.7	33.2	19.5	66.8
1974	27.8	6.2	22.3	21.6	77.7
1975	37.2	10.1	27.2	27.0	72.6
1976	43.2	11.9	27.5	31.3	72.5
1977	56.8	19.4	33.4	38.7	66.6
1978	56.4	12.6	22.3	43.8	77.7
1979	46.3	12.8	27.6	33.5	72.4
1980	46.8	11.1	23.7	35.7	76.3
1981	41.8	6.1	14.6	35.7	85.4
1982	79.9	16.3	20.4	63.6	79.6

Source: Bureau of the Census, U. S. Department of Commerce.

TOTAL AND PER CAPITA PRODUCTION (HARD AND SOFT)
ICE CREAM AND RELATED PRODUCTS
1859-1984

YEAR	ALL PRODUCTS REPORTED		ICE CREAM		ICE MILK 2/		SHERBET		WATER ICES		OTHER FROZEN 3/ DAIRY PRODUCTS		MELLORINE TYPE PRODUCTS	
	Total 1/ 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts
1859	4		4											
1869	24		24											
1879	144	0.01	144	0.01										
1889	851	0.06	851	0.06										
1899	5,021	0.27	5,021	0.27										
1909	29,637	1.31	29,637	1.31										
1919	152,982	5.86	152,982	5.86										
1920	171,248	6.43	171,248	6.43										
1930	255,439	8.30	255,439	8.30										
1940	339,544	10.29	318,088	9.64	10,457	0.32	8,089	0.24			2,910	0.09		
1950	634,768	16.79	554,351	14.66	36,870	0.98	17,018	0.45	18,299	0.48	8,230	0.22		
1955	819,934	19.96	628,525	15.30	90,185	2.20	37,365	0.91	28,158	0.69	3,440	0.08	32,261	0.78
1960	969,004	21.54	699,605	15.55	145,177	3.23	40,734	0.91	33,361	0.74	4,913	0.11	45,214	1.00
1965	1,130,215	23.36	757,000	15.65	230,992	4.77	45,449	0.94	37,119	0.77	6,486	0.13	53,169	1.10
1970	1,193,144	23.42	761,732	14.95	286,663	5.63	48,887	0.96	37,265	0.73	6,719	0.13	51,878	1.02
1975	1,263,213	23.45	836,552	15.53	298,789	5.55	48,542	0.90	38,230	0.71	11,062	0.20	30,038	0.56
1980	1,225,223	21.58	829,798	14.61	293,384	5.17	45,187	0.80	33,386	0.59	10,278	0.18	13,190	0.23
1981	1,238,712	21.61	832,450	14.52	290,992	5.08	45,732	0.80	34,344	0.60	24,003	0.42	11,191	0.19
1982	1,248,552	21.54	852,072	14.70	280,559	4.84	45,575	0.79	35,158	0.61	25,058	0.43	10,130	0.17
1983	1,295,294	22.14	881,543	15.07	294,913	5.04	47,732	0.82	39,425	0.67	21,595	0.37	10,086	0.17
1984	1,303,031	22.07	883,525	14.96	299,624	5.08	47,292	0.80	41,613	0.70	22,741	0.39	8,236	0.14

1/ Data from 1859 to 1919 indicate only the estimated trend of production.

2/ Includes freezer-made milkshake beginning 1954.

3/ For 1940-1953 includes frozen custard and frosted or frozen malted milk.

Prepared by the International Association of Ice Cream Manufacturers from data published by the U. S. Department of Agriculture.

MONTHLY PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
1982-1984

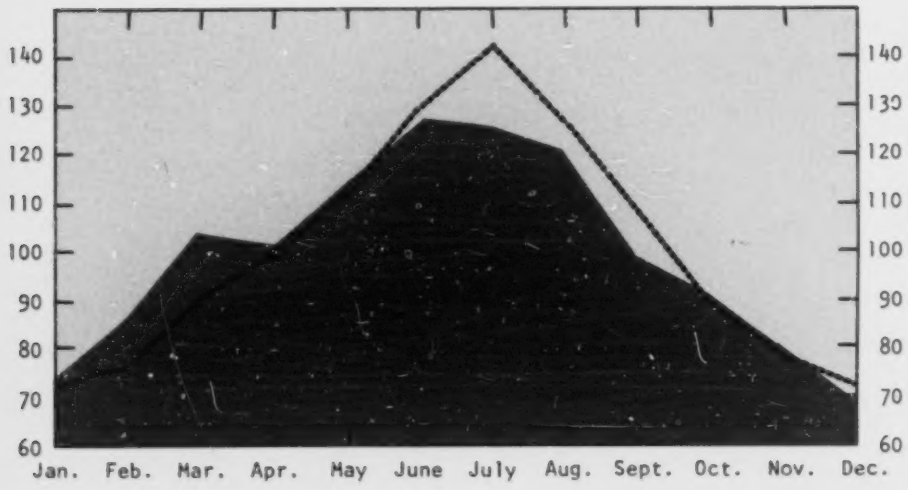
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
						(Thousand Gallons)							
						ALL FROZEN PRODUCTS 1/							
1982 2/	71,659	83,178	108,870	108,565	116,081	133,716	136,111	124,192	107,538	96,277	79,561	82,804	1,248,552
1983	77,553	85,728	114,275	104,181	120,134	140,611	133,618	138,204	119,824	95,742	85,409	80,015	1,295,294
1984	78,412	94,761	112,795	110,170	125,826	139,550	137,170	131,889	108,417	99,446	86,491	78,104	1,303,031
						ICE CREAM							
1982 2/	50,820	58,882	75,093	72,466	75,771	87,884	89,210	82,446	74,305	67,855	57,059	60,281	852,072
1983	54,922	60,441	79,769	69,875	78,613	91,350	86,314	91,714	81,839	66,616	61,683	58,407	881,543
1984	55,068	66,546	77,915	73,917	82,437	90,453	89,805	87,252	74,519	68,686	61,272	55,655	883,525
						ICE MILK 3/							
1982 2/	14,686	17,288	23,696	25,143	27,868	31,335	32,383	29,482	24,467	21,120	16,795	16,296	280,559
1983	16,461	18,345	24,681	24,113	29,031	33,092	32,900	32,879	27,433	21,631	18,061	16,326	294,913
1984	16,985	20,506	24,464	25,155	30,454	33,647	33,259	32,127	24,545	22,840	18,939	16,803	299,624
						SHERBET							
1982 2/	2,607	2,681	3,828	4,017	4,475	5,366	5,406	4,750	3,742	3,113	2,529	3,061	45,575
1983	2,803	2,861	3,971	3,896	4,636	5,459	5,615	5,454	4,271	3,045	2,884	2,837	47,732
1984	2,807	3,014	4,031	4,196	4,634	5,702	5,239	4,784	3,766	3,363	2,985	2,771	47,292
						WATER ICES							
1982 2/	1,485	1,970	2,923	3,565	4,232	5,256	5,410	4,169	2,414	1,618	1,049	1,067	35,158
1983	1,673	2,059	3,107	3,489	4,894	6,752	5,363	4,741	3,010	1,862	1,277	1,198	39,425
1984	1,938	2,629	3,769	4,128	5,091	6,056	5,234	4,599	3,079	2,088	1,660	1,342	41,613
						MELLORINE TYPE PRODUCTS							
1982 2/	579	666	896	949	979	1,121	1,087	955	868	879	580	571	10,130
1983	615	715	821	840	954	1,255	1,089	1,040	1,127	812	423	595	10,086
1984	479	656	784	758	853	878	893	766	667	599	478	425	8,236

1/ Includes small amounts of other frozen products in addition to those shown separately.
2/ April through December 1982 prorated by IAICM based on U.S.D.A. quarterly data.
3/ Includes freezer-made milkshake.

Prepared by the International Association of Ice Cream Manufacturers from data published by U. S. Department of Agriculture.

SEASONALITY OF PRODUCTION OF ICE CREAM
AND RELATED PRODUCTS - 1964-1984

(Monthly production as a percent of annual average)



----- Indicates 1964 Production

MONTHLY PRODUCTION OF ICE CREAM AND RELATED PRODUCTS
AS A PERCENT OF ANNUAL AVERAGE, 1964-1984

Month	1964	1984
January	72.3	72.2
February	75.5	87.3
March	91.0	103.9
April	99.3	101.5
May	114.9	115.9
June	130.8	128.5
July	142.8	126.3
August	126.4	121.5
September	108.5	99.8
October	89.1	91.6
November	77.4	79.7
December	72.1	71.9

PRODUCTION OF MIX FOR FROZEN PRODUCTS (HARD AND SOFT)
BY STATES AND REGIONS - 1984

STATE AND REGION	ICE CREAM MIX	ICE MILK 1/ MIX	SHERBET MIX	MELLORINE TYPE MIX	TOTAL MIX FOR FROZEN PRODUCTS
	(Thousand Gallons)				
NEW ENGLAND					
Maine	531	77			608
New Hampshire	2/	2/			2/
Vermont	2/	2/			2/
Massachusetts	23,237	4,089	1,482		28,808
Rhode Island	2/	2/			2/
Connecticut	2/	2/			2/
MID ATLANTIC					
New York	25,563	5,509	1,670	2/	32,742
New Jersey	2/	3,306	105		3,411
Pennsylvania	42,071	7,434	2,588		52,093
E. N. CENTRAL					
Ohio	24,005	10,399	1,949		36,353
Indiana	12,981	5,428	1,503		19,912
Illinois	18,861	12,791	1,156	469	33,277
Michigan	16,112	6,534	925	2/	23,571
Wisconsin	11,511	2,414	590		14,515
W. N. CENTRAL					
Minnesota	18,135	2/	2/	2/	18,135
Iowa	9,250	4,496	1,531		15,277
Missouri	8,831	5,094	626	2/	14,551
North Dakota	859	747	112		1,718
South Dakota	2/	2/	2/		2/
Nebraska	3,836	2,612	2/		6,448
Kansas	4,095	4,261	310		8,666
SOUTH ATLANTIC					
Maryland & D.C.	6,732		1,061		7,793
Virginia	6,748	8,414	221	2/	15,383
West Virginia	1,128	670	59		1,857
North Carolina	14,741	5,806	699		21,246
South Carolina	6,018	1,779	724		8,521
Georgia	3,910	2/	314	2/	4,224
Florida	18,135	10,332	1,306		29,773
SOUTH CENTRAL					
Kentucky	2/	2,487	2/	2/	2,487
Tennessee	9,823	2,397	601		12,821
Alabama	9,306	3,640	920		13,866
Mississippi	2,386	1,953	145		4,484
Arkansas	3,179	2,395	379	309	6,262
Louisiana	4,785	2,988	2/		7,773
Oklahoma	5,567	2,236	393	74	8,270
Texas	27,750	10,301	1,752	2,080	41,883
MOUNTAIN					
Montana	1,238	746	58	2/	2,042
Idaho	2,075	667	160		2,902
Wyoming	2/	2/	2/		2/
Colorado	4,883	3,605	287		8,775
New Mexico	2/	2/	2/	2/	2/
Arizona	3,255	2/	2/		3,255
Utah	4,181	1,795	317		6,293
Nevada	2/	2/		2/	2/
PACIFIC					
Washington	8,913	5,165	1,094		15,172
Oregon	4,451	3,335	238	2/	8,024
California	53,624	18,695	3,457	458	76,234
Other States 3/	35,956	27,575	3,100	1,939	68,570
UNITED STATES	458,662	192,172	31,832	5,329	687,995

1/ Includes milkshake mix.
2/ State data not shown when less than 3 plants or individual operations might be disclosed -- included in "Other States" with Alaska and Hawaii.
3/ Includes varying states for each product.

Prepared by International Assn. of Ice Cream Mfrs. from data published by U. S. Department of Agriculture

PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
BY REGIONS - 1984

REGION	ICE CREAM	ICE MILK 1/	SHERBET	WATER ICES	MELLORINE TYPE PRODUCTS	OTHER FROZEN DAIRY PRODUCTS	TOTAL FROZEN PRODUCTS
			(Thousand Gallons)				
New England	72,513	13,212	3,455	1,746		901	91,827
Mid Atlantic	153,014	29,333	6,440	4,706	355	8,287	202,135
E. N. Central	161,089	58,894	9,169	7,754	766	3,337	241,009
W. N. Central	94,679	35,087	5,522	7,718	813	1,755	145,574
South Atlantic	112,705	54,863	6,445	6,773	159	1,177	182,122
South Central	117,474	47,365	7,084	5,332	4,845	2,603	184,703
Mountain	36,448	17,116	2,146	2,189	265	65	58,229
Pacific	133,442	41,977	6,817	5,300	857	4,616	193,009
UNITED STATES 2/	883,525	299,624	47,292	41,613	8,236	22,741	1,303,031

1/ Includes freezer-made milkshake.
2/ Includes Alaska and Hawaii

Prepared by International Association of Ice Cream Manufacturers from data released by U. S. Department of Agriculture.

PER CAPITA PRODUCTION (HARD AND SOFT)
ICE CREAM AND RELATED PRODUCTS
BY REGIONS, 1960-1984

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Quarts)					
ICE CREAM									
1960	18.44	19.71	17.94	17.11	13.23	9.52	13.21	14.25	15.55
1965	20.06	18.74	18.19	18.00	13.40	9.57	12.88	14.89	15.65
1970	20.82	17.96	16.86	17.94	11.36	10.18	11.90	14.62	14.96
1975	24.72	16.27	17.40	19.23	12.33	11.71	10.96	15.77	15.53
1980	21.83	16.19	16.10	19.15	11.48	10.78	11.93	15.18	14.61
1982	21.82	16.82	15.40	20.39	11.01	11.62	11.87	15.18	14.70
1983	23.10	16.35	15.82	21.03	11.57	12.25	11.99	15.70	15.07
1984	23.06	16.47	15.49	21.62	11.43	11.43	11.61	16.35	14.96
ICE MILK									
1960	1.50	0.86	2.61	5.42	3.97	3.61	4.92	5.48	3.23
1965	2.10	2.01	4.50	6.59	6.52	5.54	5.47	6.21	4.77
1970	3.65	3.32	5.89	8.24	6.66	5.50	6.56	6.55	5.63
1975	5.34	3.40	6.49	7.70	5.86	5.14	5.18	5.95	5.55
1980	4.72	3.11	6.14	7.34	5.49	4.39	6.23	5.48	5.17
1982	3.81	2.90	6.08	7.60	4.61	4.26	5.51	5.14	4.84
1983	4.10	2.99	6.12	7.73	5.33	4.34	5.97	5.12	5.04
1984	4.20	3.16	5.66	8.01	5.56	4.60	5.45	5.14	5.08
TOTAL FROZEN PRODUCTS 1/									
1960	21.76	22.34	22.91	24.98	18.97	18.19	20.01	23.96	21.54
1965	24.38	22.64	24.81	27.11	21.78	20.66	20.56	26.08	23.36
1970	26.55	23.06	25.06	28.46	19.48	20.48	20.06	25.64	23.43
1975	31.59	21.19	25.92	28.38	19.95	20.35	17.26	24.56	23.45
1980	28.41	20.83	24.13	29.24	18.53	17.38	19.29	22.44	21.58
1982	27.41	21.38	24.28	30.99	17.17	17.74	18.59	22.29	21.54
1983	29.33	21.49	24.03	31.82	18.42	18.66	19.54	22.80	22.14
1984	29.20	21.76	23.17	33.24	18.47	17.96	18.55	23.64	22.07

1/ Includes ice cream, ice milk, sherbet, mellorine type products, water ices and other frozen dairy products.

Prepared by the International Association of Ice Cream Manufacturers from production data released by the U. S. Department of Agriculture and population estimates from Bureau of the Census, U. S. Department of Commerce.

NUMBER OF PLANTS PRODUCING ICE CREAM AND RELATED PRODUCTS
1960-1984

Year	Including Counter Freezers	Excluding Counter Freezers	Ice Milk	Sherbet	Water Ices	Mellorine Type Products
1960	16,591	-	23,843	5,067	2,376	1,242
1961	15,872	-	27,607	4,636	2,398	1,221
1962	14,541	-	30,919	3,764	2,353	1,364
1963	13,915	2,476	33,229	3,625	2,650	1,253
1964	13,106	-	34,485	3,395	2,691	1,313
1965	12,584	-	35,181	3,452	2,852	1,280
1966	12,063	-	36,158	3,580	2,682	1,308
1967	11,452	-	37,312	3,191	2,773	1,363
1968	11,228	1,873	39,474	3,108	2,854	1,792
1969	1/	1,739	1,160 2/	1,176 2/	1/	199 2/
1970		1,628	1,088	1,122 2/	377	203
1971		1,520	1,008	1,065	335	177
1972		1,451	984	1,022	363	180
1973		1,330	902	976	321	154
1974		1,239	824	904	299	146
1975		1,167	746	850	281	124
1976		1,124	718	812	281	119
1977		1,095	702	782	273	110
1978		1,062	670	744	263	101
1979		990	604	690	234	89
1980		949	576	654	220	76
1981		895	548	614	212	74
1982		884	524	608	212	67
1983		862	495	594	201	71
1984		853	477	570	199	57

1/ Not available.
2/ After 1968, number of plants producing hard product. Number of counter freezers not available.

Prepared by the International Association of Ice Cream Manufacturers from data published by the U. S. Department of Agriculture.

HARD FROZEN PRODUCTION - TOTAL AND PER CAPITA
ICE CREAM AND RELATED PRODUCTS
1955-1984 1/

YEAR	ICE CREAM		ICE MILK		SHERBET		MELLORINE TYPE PRODUCTS		TOTAL FOUR PRODUCTS 1/	
	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts
1955	612,812	14.92	52,217	1.27	34,675	0.84	29,874	0.72	729,578	17.75
1960	678,383	15.08	80,073	1.78	37,931	0.84	42,603	0.95	838,990	18.65
1965	741,024	15.32	126,146	2.60	44,954	0.93	50,143	1.04	962,267	19.89
1970	736,741	14.47	134,240	2.64	47,643	0.94	40,775	0.80	959,399	18.85
1975	803,494	14.92	116,609	2.17	45,996	0.85	23,724	0.44	989,823	18.38
1980	801,876	14.12	83,584	1.47	43,745	0.77	9,927	0.17	939,132	16.53
1982	823,580	14.21	71,299	1.23	44,160	0.76	7,945	0.14	946,984	16.34
1983	849,106	14.52	64,137	1.09	45,250	0.78	8,110	0.14	966,603	16.53
1984	844,939	14.31	61,232	1.04	44,470	0.75	6,591	0.11	957,232	16.21

1/ Breakdown between hard frozen and soft serve production not available prior to 1955.
2/ Includes ice cream, ice milk, sherbet and mellorine type products.

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

HARD FROZEN PRODUCTION OF ICE CREAM AND RELATED PRODUCTS
BY REGIONS - 1984

REGION	ICE CREAM	ICE MILK	SHERBET	MELLORINE TYPE PRODUCTS	TOTAL FOUR PRODUCTS 1/
			(Thousand Gallons)		
New England	68,940	4,063	3,415		76,418
Mid Atlantic	133,677	5,352	6,077	355	145,461
E. N. Central	153,351	9,021	8,047	38	170,457
W. N. Central	93,966	9,143	5,320	757	109,186
South Atlantic	107,618	11,894	6,339		125,851
South Central	116,911	11,127	6,621	4,282	138,941
Mountain	35,850	2,101	1,878	156	39,985
Pacific	132,465	8,363	6,559	827	148,214
UNITED STATES 2/	844,939	61,232	44,470	6,591	957,232

1/ Includes ice cream, ice milk, sherbet and mellorine type products.
2/ Includes Alaska and Hawaii.

Prepared by the International Association of Ice Cream Manufacturers from data released by U. S. Department of Agriculture.

POTPOURRI

- Eighty-three percent of U. S. households purchase ice cream products for home consumption.

- Ice cream and related products utilized over 9% of the fluid milk produced in 1984.

- The basic ingredients of ice cream are....fresh milk, cream, sweeteners, flavorings, and sometimes eggs.

- Ninety-two percent of packaged ice cream is in paper containers.

- With modern technology and the many foods now available in the frozen dessert/snack display case in supermarkets, ice cream products still reign supreme, accounting for 75% of the total sales of these products, while occupying 68% of the display area. Sales of ice cream products represent 18% of total frozen food sales.

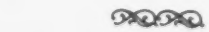
- Approximately two-thirds of all novelties sold for home consumption are purchased at the supermarket.

- Ice pops, fudge bars on a stick, ice cream sandwiches and chocolate covered ice cream on a stick, are the most popular novelty items, with each being purchased in half of all novelty user households. The leading novelty item is still ice pops.

- Of all age groups, children under six are the largest consumers of novelties....but adults as a total, consume nearly one-half of all novelties.

- In 1984, it took an average worker 14.5 minutes of labor to earn a half gallon of ice cream, down 1% over a ten year period.

- Ice cream and frozen custard stands had sales of $1.02 billion in 1982, an increase of 13% over 1977. The number of stands totaled 7,766.



- *Now in the Guinness Book of World Records*....The world's largest ice cream sundae, consisting of 21,000 pounds (4,667 gallons) of premium ice cream and 7,000 pounds of toppings, and reaching a height of 12 feet....was served to thousands of enthusiastic ice cream fans on July 28, 1985 at the Disneyland Hotel Exhibit Hall, Anaheim, California, during an "Ice Cream for America" celebration.

SUPERMARKET FROZEN FOOD DEPARTMENT SALES CONTRIBUTION
BY PRODUCT CATEGORY - 1983-84
WEEKLY AVERAGE

Product Category	Dollar Sales	% Dollar Sales	Unit Sales	% Unit Sales
Ice Cream	$ 1,231	8.1%	501	5.2%
Specialty Ice Cream	1,018	6.7	413	4.3
Novelties	490	3.2	267	2.8
Juice	1,944	12.8	1,730	18.1
Fruits	142	0.9	90	0.9
Vegetables--Reg.	1,226	8.1	1,285	13.4
Vegetables--Spec.	573	3.8	433	4.5
Potatoes	513	3.4	402	4.2
Meat/Poultry	733	4.8	217	2.3
Fish/Seafood	744	4.9	316	3.3
Pot Pies	195	1.3	260	2.7
Dinners	754	5.0	450	4.7
Special Prep. Foods	2,247	14.8	1,005	10.5
Dough/Rolls	288	1.9	188	2.0
Breakfast Items	329	2.2	310	3.2
Pies	423	2.8	247	2.6
Cakes	503	3.3	246	2.6
Pizza	867	5.7	407	4.2
Nationality Foods	432	2.8	306	3.2
Miscellaneous	558	3.7	511	5.3
Total/Average	$15,210	100.2% 1/	9,584	100.0%

SUPERMARKET FROZEN FOOD DEPARTMENT GROSS PROFIT MARGIN
CONTRIBUTION BY PRODUCT CATEGORY - 1983-84
WEEKLY AVERAGE

Product Category	% Gross Margin	Gross Margin	% Gross Margin Sales
Ice Cream	27.6%	$ 340	7.7%
Specialty Ice Cream	29.0	296	6.7
Novelties	30.1	147	3.3
Juices	26.8	521	11.8
Fruits	31.1	44	1.0
Vegetables--Reg.	30.8	377	8.5
Vegetables--Spec.	29.6	169	3.8
Potatoes	29.6	152	3.4
Meat/Poultry	30.0	220	5.0
Fish/Seafood	30.2	225	5.1
Pot Pies	27.3	53	1.2
Dinners	29.5	223	5.0
Special Prep. Foods	29.5	664	15.0
Dough/Rolls	29.8	86	1.9
Breakfast Items	29.1	96	2.2
Pies	27.5	116	2.6
Cakes	30.2	152	3.4
Pizza	28.5	247	5.6
Nationality Foods	30.0	129	2.9
Miscellaneous	29.2	163	3.7
Total/Average	29.1%	$ 420	99.8% 1/

1/ Does not add to 100% because of rounding.

Source: Ice Cream Performance and Profitability in U. S. Supermarket. International Association of Ice Cream Manufacturers.

PACKAGING

ICE CREAM PACKAGING BY SIZE
(Hard Frozen)

Size	Paper	Plastic	All Containers
Pints	6.99%	1.71%	6.59%
Quarts	2.05	7.39	2.35
Half Gallons	68.46	21.25	64.89
Bulk	16.73	9.78	16.20
Other 1/	5.77	59.87	9.97
	100.00%	100.00%	100.00%

BREAKDOWN OF PAPER AND PLASTIC CONTAINERS

Paper	92.43%
Plastic	7.57
	100.00%

ROUND AND RECTANGULAR ICE CREAM CONTAINERS BY SIZE

Size	Round	Rectangular
Pints	11.08%	1.76%
Quarts	4.26	0.18
Half Gallons	47.55	85.85
Bulk	25.88	3.95
Other 1/	11.23	8.26
	100.00%	100.00%

1/ Includes some gallons and larger units.

Source: Survey conducted by International Association of Ice Cream Manufacturers, based on 1984 volume.

FLAVORS - ICE CREAM

(Hard Frozen)

MOST POPULAR FLAVORS

1.	Vanilla	31.02%
2.	Chocolate	8.81
3.	Neapolitan	6.19
4.	Vanilla Fudge	4.16
5.	Cookies 'n Cream	3.89
6.	Butter Pecan	3.83
7.	Chocolate Chip	3.60
8.	Strawberry	3.53
9.	Rocky Road	1.31
10.	Tin Roof Sundae	1.26
	Cherry	1.26
12.	French Vanilla	1.21
13.	Praline Pecan	0.91
	Heavenly Hash	0.91
15.	Chocolate Almond	0.85
	Other	27.26
		100.00%

MOST POPULAR CATEGORIES

1.	Vanilla	32.23%
2.	Candy/Confection	9.01
3.	Chocolate	8.81
4.	Neapolitan	6.19
5.	Nut	6.17
6.	Variegated	5.39
7.	Fruit	5.28
8.	Chocolate & Nuts	4.64
9.	Chocolate/Vanilla	0.45
10.	Coffee	0.41
	Other	21.42
		100.00%

MOST POPULAR CANDY/CONFECTIONS

1.	Cookies 'n Cream	43.15%
2.	Chocolate Chip	39.95
3.	Mint Chocolate Chip	8.05
4.	Chocolate Choc. Chip	4.90
5.	Butter Brickle	2.00
	Other	1.95
		100.00%

MOST POPULAR NUT FLAVORS

1.	Butter Pecan	62.16%
2.	Praline Pecan	14.77
3.	Butter Almond	9.45
4.	Black Walnut	6.30
5.	Maple Nut	4.80
	Other	2.52
		100.00%

MOST POPULAR FRUIT FLAVORS

1.	Strawberry	66.88%
2.	Cherry	23.83
3.	Raspberry	4.37
4.	Peach	3.81
	Other	1.11
		100.00%

MOST POPULAR CHOCOLATE & NUT FLAVORS

1.	Rocky Road	28.24%
2.	Tin Roof Sundae	27.16
3.	Heavenly Hash	19.57
4.	Chocolate Almond	18.33
	Other	6.70
		100.00%

MOST POPULAR VARIEGATED FLAVORS

1.	Vanilla Fudge	77.16%
2.	Chocolate Marshmallow	10.30
3.	Butterscotch	6.94
	Other	5.60
		100.00

Source: Survey conducted by International Association of Ice Cream Manufacturers, based on 1984 volume.

PER CAPITA PRODUCTION OF HARD FROZEN PRODUCTS
ICE CREAM AND RELATED PRODUCTS
BY REGIONS - 1960-1984

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Quarts)					
ICE CREAM									
1960	18.04	17.97	17.65	17.08	12.94	9.47	13.16	14.22	15.08
1965	19.95	17.45	17.97	17.96	13.27	9.50	12.83	14.87	15.32
1970	19.81	16.43	16.63	17.82	11.17	9.96	11.81	14.41	14.47
1975	24.45	14.52	16.86	17.94	12.08	11.48	10.92	15.69	14.92
1980	21.03	14.42	15.77	19.04	11.20	10.57	11.82	15.14	14.12
1982	21.10	14.75	15.11	20.29	10.78	11.55	11.83	15.16	14.21
1983	22.34	14.25	15.58	20.89	11.19	11.95	11.86	15.65	14.52
1984	21.92	14.39	14.75	21.46	10.91	11.37	11.42	16.23	14.31
ICE MILK									
1960	0.50	0.35	0.97	2.72	2.81	2.25	2.15	3.50	1.78
1965	0.66	0.96	1.88	3.26	4.73	3.75	2.20	2.89	2.60
1970	0.99	1.51	2.24	3.95	4.16	3.35	1.96	2.39	2.64
1975	2.34	1.46	1.89	3.13	2.58	2.59	1.74	1.91	2.17
1980	1.33	0.94	1.15	2.29	1.82	1.38	1.56	1.85	1.47
1982	1.20	0.74	1.00	2.17	1.37	1.08	1.29	1.63	1.23
1983	1.34	0.66	0.93	2.07	1.30	1.00	0.79	1.21	1.09
1984	1.29	0.58	0.87	2.09	1.21	1.08	0.67	1.02	1.04
SHERBET									
1960	0.95	0.58	0.97	0.79	0.79	0.76	0.90	1.21	0.84
1965	1.20	0.72	1.02	0.83	0.88	0.89	0.89	1.18	0.93
1970	1.22	0.69	1.07	0.90	0.65	0.87	0.89	1.17	0.94
1975	1.04	0.61	0.97	0.99	0.79	0.79	0.70	1.05	0.85
1980	1.01	0.65	0.80	1.09	0.68	0.68	0.70	0.85	0.77
1982	1.00	0.70	0.80	1.10	0.65	0.64	0.66	0.82	0.76
1983	1.25	0.63	0.85	1.15	0.66	0.64	0.61	0.82	0.78
1984	1.09	0.65	0.77	1.21	0.64	0.64	0.59	0.80	0.75
MELLORINE									
1960	-	-	0.31	1.01	0.03	3.24	0.36	2.25	0.95
1965	-	-	0.20	0.78	0.02	3.49	0.74	2.85	1.04
1970	-	-	0.16	0.41	-	2.51	0.43	2.22	0.80
1975	-	-	0.05	0.15	-	1.47	0.22	1.06	0.44
1980	-	-	0.01	0.29	-	0.58	0.10	0.32	0.17
1982	-	-	0.01	0.19	-	0.52	0.07	0.17	0.14
1983	-	0.06	0.01	0.27	-	0.51	0.07	0.13	0.14
1984	-	0.04	-	0.17	-	0.42	0.05	0.11	0.11

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture and population estimates from Bureau of the Census, U. S. Department of Commerce.

PERCENTAGE OF HARD FROZEN PRODUCTION SOLD AS
ICE CREAM, ICE MILK, SHERBET AND MELLORINE
BY REGIONS - 1960-1984

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Percent)					
ICE CREAM									
1960	93	95	89	79	78	60	79	67	81
1965	92	91	85	79	70	54	77	68	77
1970	90	88	83	77	70	60	78	71	77
1975	88	87	85	81	78	70	80	80	81
1980	90	90	89	84	82	80	83	83	85
1982	91	91	89	85	84	83	85	85	87
1983	90	91	90	86	85	85	89	88	88
1984	90	92	90	86	86	84	90	89	88
ICE MILK									
1960	2	2	5	12	17	14	13	16	10
1965	3	5	9	14	25	21	13	13	13
1970	4	8	11	17	26	20	13	12	14
1975	8	9	10	14	17	16	13	10	12
1980	6	6	6	10	13	10	11	10	9
1982	5	5	6	9	11	8	9	9	7
1983	5	5	5	8	10	7	6	7	6
1984	5	4	5	8	9	8	5	6	6
SHERBET									
1960	5	3	5	4	5	5	6	6	4
1965	5	4	5	4	5	5	6	6	5
1970	6	4	5	4	4	5	6	6	5
1975	4	4	5	4	5	5	5	5	5
1980	4	4	5	5	5	5	5	5	5
1982	4	4	5	5	5	5	5	5	5
1983	5	4	5	5	5	4	4	5	5
1984	5	4	5	5	5	5	5	4	5
MELLORINE									
1960	-	-	1	5	-	21	2	11	5
1965	-	-	1	3	-	20	5	13	5
1970	-	-	1	2	-	15	3	11	4
1975	-	-	-	1	-	9	2	5	2
1980	-	-	-	1	-	5	1	2	1
1982	-	-	-	1	-	4	1	1	1
1983	-	-	-	1	-	4	1	-	1
1984	-	-	-	1	-	3	-	1	1

Prepared by International Association of Ice Cream Manufacturers from data released by the U.S. Department of Agriculture.

SOFT SERVE PRODUCTION - TOTAL AND PER CAPITA
ICE CREAM AND RELATED PRODUCTS
1955-1984 1/

YEAR	ICE CREAM		ICE MILK		SHERBET		MELLORINE TYPE PRODUCTS		TOTAL FOUR PRODUCTS 2/	
	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts
1955	15,713	0.38	37,968	0.93	2,690	0.07	2,387	0.06	58,758	1.44
1960	21,222	0.47	65,104	1.45	2,803	0.06	2,611	0.06	91,740	2.04
1965	15,976	0.33	104,846	2.17	495	0.01	3,026	0.06	124,343	2.57
1970	24,991	0.49	152,423	2.99	1,244	0.02	11,103	0.22	189,761	3.72
1975	33,058	0.61	182,180	3.38	2,546	0.05	6,314	0.12	224,098	4.16
1980	27,922	0.49	209,800	3.70	1,442	0.03	3,263	0.06	242,427	4.28
1982	28,492	0.49	209,218	3.61	1,415	0.03	2,108	0.03	241,233	4.16
1983	32,437	0.55	230,776	3.95	2,482	0.04	1,976	0.03	267,671	4.57
1984	38,586	0.65	238,392	4.04	2,822	0.05	1,645	0.03	281,445	4.77

1/ Breakdown between hard frozen and soft serve production not available prior to 1955.
2/ Includes ice cream, ice milk, sherbet and mellorine type products.

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

SOFT SERVE PRODUCTION OF ICE CREAM AND RELATED PRODUCTS
BY REGIONS - 1984

REGION	ICE CREAM	ICE MILK	SHERBET	MELLORINE TYPE PRODUCTS	TOTAL FOUR PRODUCTS 1/
			(Thousand Gallons)		
New England	3,573	9,149	40		12,762
Mid Atlantic	19,337	23,981	363		43,681
E. N. Central	7,738	49,873	1,122	728	59,461
W. N. Central	713	25,944	202	56	26,915
South Atlantic	5,087	42,969	106	159	48,321
South Central	563	36,238	463	563	37,827
Mountain	598	15,015	268	109	15,990
Pacific	977	33,614	258	30	34,879
UNITED STATES 2/	38,586	238,392	2,822	1,645	281,445

1/ Includes ice cream ice milk, sherbet and mellorine type products.
2/ Includes Alaska and Hawaii

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

PER CAPITA AND PERCENT OF PRODUCTION OF SOFT SERVE PRODUCTS
ICE CREAM AND ICE MILK
BY REGIONS - 1960-1984

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Quarts per Capita)					
ICE CREAM									
1960	0.40	1.74	0.29	0.03	0.29	0.05	0.05	0.03	0.47
1965	0.11	1.29	0.22	0.04	0.13	0.07	0.05	0.02	0.33
1970	1.01	1.53	0.23	0.12	0.19	0.22	0.09	0.21	0.49
1975	0.27	1.75	0.54	1.29	0.25	0.23	0.04	0.08	0.61
1980	0.80	1.77	0.33	0.11	0.28	0.21	0.11	0.04	0.49
1982	0.72	2.11	0.29	0.10	0.23	0.07	0.04	0.02	0.49
1983	0.76	2.10	0.24	0.14	0.37	0.30	0.13	0.05	0.55
1984	1.14	2.08	0.74	0.16	0.52	0.06	0.19	0.12	0.65
ICE MILK									
1960	1.00	0.53	1.64	2.70	1.16	1.36	2.77	1.98	1.45
1965	1.44	1.05	2.62	3.33	1.79	1.79	3.27	3.32	2.17
1970	2.66	1.81	3.65	4.29	2.50	2.15	4.60	4.16	2.99
1975	3.00	1.94	4.60	4.57	3.28	2.55	3.44	4.04	3.38
1980	3.39	2.17	4.99	5.05	3.67	3.01	4.67	3.63	3.70
1982	2.60	2.16	5.08	5.43	3.24	3.18	4.22	3.51	3.61
1983	2.76	2.33	5.19	5.66	4.03	3.34	5.18	3.91	3.95
1984	2.91	2.58	4.79	5.92	4.35	3.52	4.78	4.12	4.04
				(Percent)					
ICE CREAM									
1960	29	76	13	1	20	3	2	2	23
1965	7	55	8	1	7	3	2	1	13
1970	27	46	6	3	7	7	2	5	13
1975	8	47	10	21	7	7	1	2	15
1980	19	45	6	2	7	6	2	1	11
1982	21	49	5	2	7	2	1	1	12
1983	22	47	4	2	8	8	2	1	12
1984	28	44	13	3	11	2	4	3	14
ICE MILK									
1960	71	23	75	99	80	77	98	98	71
1965	93	44	92	99	93	79	98	99	84
1970	72	54	86	92	93	67	98	94	80
1975	92	52	87	76	91	76	99	96	81
1980	81	55	91	94	91	90	97	99	87
1982	77	50	92	94	93	96	98	99	87
1983	78	52	94	96	91	88	96	98	86
1984	72	55	84	96	89	96	94	96	84

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

HIGHLIGHTS—CANADA

Preliminary

ICE CREAM PRODUCTION - 1985

	1985	1984	% Change
		(Liter)	
January	17,239,000	16,721,000	+ 3.10
February	19,608,000	18,014,000	+ 8.85
March	25,919,000	23,708,000	+ 9.32
April	25,713,000	26,793,000	- 4.04
May	30,607,000	29,796,000	+ 2.72
June	31,255,000	35,375,000	-11.66
Six-Month Total	150,341,000	150,407,000	- 0.04

PRODUCTION - 1984

The volume of ice cream produced for the year was 301 million liters, down 3%. British Columbia had the sharpest decline, 13.3%, while Ontario, which accounts for 38% of the nation's output, decreased 4.3%. Manitoba continues to report the highest per capita production, 18.2 liters, followed by Alberta, 15.5, and Nova Scotia, 12.9. The volume of all ice cream products amounted to 369 million liters, a decline of 1% for the year.

Ice cream accounted for 82% of total production, followed by freezer-made milkshake 7%, water ices 5.3%, ice milk 4.6%, and sherbet 1.5%.

July was the largest producing month for ice cream with 12% of the total production, just slightly ahead of June, while January ranked the lowest with 5.6% of the total.

	Production 1984 1/ (Liters) 2/	% Change from 1983	Per Capita 1984 (Liters)	% Change from 1983
Ice Cream - Hard	283,870,000	- 3.38	11.61	- 4.32
Ice Cream - Soft	17,193,000	- 3.44	0.70	- 4.38
Total Ice Cream	301,063,000	- 3.38	12.32	- 4.32
Freezer-Made Milkshake 3/	25,582,000	- 9.41	1.05	-10.30
Ice Milk	16,873,000	+25.58	0.69	+25.46
Water Ices	19,550,000	+20.18	0.80	+19.01
Sherbet	5,840,000	+82.84	0.24	-81.12
TOTAL - ALL PRODUCTS	368,908,000	- 1.03	15.10	- 1.99

1/ Excludes production in Newfoundland and Prince Edward Island.
2/ One U. S. quart equivalent to .946 liter.
3/ Freezer-made milkshake derived by applying 40% overrun to milkshake mix.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

HARD AND SOFT PRODUCTION OF ICE CREAM - CANADA
BY PROVINCES - 1982-1983-1984

Province	Year	Production			Percent	
		Hard	Soft	Total	Hard	Soft
		(Thousand Liters) 1/			%	
Alberta	1982	28,676	2,679	31,355	91	9
	1983	31.520	2,958	34,478	91	9
	1984	33,113	3,102	36,215	91	9
British Columbia	1982	30,941	4,193	35,134	88	12
	1983	31,040	4,141	35,181	88	12
	1984	26,857	3,673	30,530	88	12
Manitoba	1982	18,558	2,102	20,660	90	10
	1983	18,292	2,046	20,338	90	10
	1984	17,266	2,011	19,277	90	10
New Brunswick	1982	7,938	373	8,311	96	4
	1983	8,356	426	8,782	95	5
	1984	8,544	424	8,968	95	5
Nova Scotia	1982	9,890	912	10,802	92	8
	1983	10,590	992	11,582	91	9
	1984	10,257	965	11,222	91	9
Ontario	1982	113,709	2,050	115,759	98	2
	1983	117,464	2,169	119,633	98	2
	1984	112,439	2,014	114,453	98	2
Quebec	1982	66,319	4,791	71,110	93	7
	1983	66,559	3,578	70,137	95	5
	1984	65,819	3,350	69,169	95	5
Saskatchewan	1982	8,403	1,431	9,834	85	15
	1983	9,319	1,562	10,881	86	14
	1984	9,575	1,654	11,229	85	15
CANADA 2/	1982	284,434	18,531	302,965	94	6
	1983	293,140	17,872	311,012	94	6
	1984	283,870	17,193	301,063	94	6

1/ One U. S. quart equivalent to .946 liter.
2/ Excludes production in Newfoundland and Prince Edward Island.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

INTERNATIONAL STATISTICS

This section includes data for 55 countries, including United States and Canada. In some countries production is reported only by the larger manufacturers and no estimates are available for the output by small establishments. In such instances, the computed production and per capita are incomplete, but the reported figures indicate trends.

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
UNITED STATES - 1984				
Ice Cream		883,525,000		29.93
Ice Milk		299,624,000		10.15
Sherbet		47,292,000		1.60
Water Ices		41,613,000		1.41
Mellorine		8,236,000		0.27
Other Frozen Dairy Products		22,741,000		0.77
Total		1,303,031,000		44.13
ARGENTINA - 1983	(Liters)		(Liters)	
Ice Cream	19,800,000	5,231,000	0.67	1.42
Ice Milk	3,200,000	846,000	0.11	0.23
Sherbet & Water Ices	3,900,000	1,030,000	0.13	0.27
Other (Napolitan)	5,100,000	1,347,000	0.17	0.36
Total	32,000,000	8,454,000	1.08	2.28
AUSTRALIA - 1984	(Liters)		(Liters)	
Ice Cream	192,890,000	50,962,000	12.34	26.07
Milk Ices 1/	51,925,000	13,719,000	3.32	7.02
Water Ices	12,916,000	3,412,000	0.83	1.75
Other Frozen Products	17,538,000	4,633,000	1.12	2.37
Total	275,269,000	72,726,000	17.61	37.21
AUSTRIA - 1983	(Liters)		(Liters)	
Ice Cream	36,000,000	9,511,000	4.77	10.07
Sherbet & Water Ices	12,000,000	3,171,000	1.59	3.36
Total	48,000,000	12,682,000	6.36	13.43
BANGLADESH - 1983	(Metric Tons)		(Pounds)	
Ice Cream	550	269,500	0.01	0.02
Sherbet & Water Ices	7,250	2,664,375	0.17	0.22
Total	7,800	2,933,875	0.18	0.24
BELGIUM - 1983	(Liters)		(Liters)	
Ice Cream & Related Products	58,967,000	15,217,000	5.98	12.62
BRAZIL - 1983	(Liters)		(Liters)	
Ice Cream	58,000,000	15,324,000	0.44	0.93
Ice Milk	21,000,000	5,548,000	0.16	0.34
Sherbet & Water Ices	14,000,000	3,699,000	0.11	0.23
Total	93,000,000	24,571,000	0.71	1.50
CANADA - 1984	(Liters)		(Liters)	
Ice Cream	301,063,000	79,541,000	12.32	26.01
Freezer-made Milkshake 2/	25,582,000	6,759,000	1.05	2.22
Ice Milk	16,873,000	4,458,000	0.69	1.46
Water Ices	19,550,000	5,165,000	0.80	1.69
Sherbet	5,840,000	1,543,000	0.24	0.50
Total	368,908,000	97,466,000	15.10	31.88
CHILI - 1983	(Liters)		(Liters)	
Ice Cream	22,000,000	5,812,000	1.87	3.95

INTERNATIONAL STATISTICS

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
COLUMBIA - 1983	(Metric Tons)		(Kilograms)	
Ice Cream	11,950,000	5,855,500	0.43	1.70
Sherbet	1,000,000	367,500	0.04	0.11
Water Ices	800,000	294,000	0.03	0.09
Total	13,750,000	6,517,000	0.50	1.90
COSTA RICA - 1981	(Liters)		(Liters)	
Ice Cream	8,072,000	2,132,600	3.53	7.46
Ice Milk	1,347,000	355,800	0.59	1.25
Sherbet & Water Ices	394,000	104,100	0.17	0.36
Total	9,813,000	2,592,500	4.29	9.07
DENMARK - 1983	(Liters)		(Liters)	
Ice Cream	35,950,000	9,497,000	7.03	14.85
Water Ices	3,300,000	742,000	0.65	1.16
Total	39,250,000	10,239,000	7.68	16.01
DOMINICAN REPUBLIC - 1982	(Kilograms)		(Kilograms)	
Ice Cream	5,071,800	1,035,000	0.88	2.59
ECUADOR - 1977	(Kilograms)		(Kilograms)	
Ice Cream	4,500,000	2,205,000	0.63	2.47
Ice Milk	1,500,000	735,000	0.21	0.82
Sherbet & Water Ices	2,000,000	735,000	0.28	0.82
Total	8,000,000	3,675,000	1.12	4.11
EGYPT - 1983	(Metric Tons)		(Kilograms)	
Ice Cream	20,000	9,800,000	0.44	1.71
Ice Milk	3,000	1,470,000	0.07	0.26
Sherbet & Water Ices	2,000	735,000	0.04	0.13
Total	25,000	12,005,000	0.55	2.10
FRANCE - 1983	(Liters)		(Liters)	
Ice Cream Industrial	197,401,600	52,153,000	3.62	7.64
WEST GERMANY - 1982	(Liters)		(Liters)	
Ice Cream	295,600,000	78,098,000	4.80	10.13
Sherbet & Water Ices	28,400,000	7,503,000	0.46	0.97
Total Industrial Prod.	324,000,000	85,601,000	5.26	11.10
Small Establishments	83,000,000	21,929,000	1.35	2.84
Total	407,000,000	107,530,000	6.61	13.94
GREECE - 1983	(Metric Tons)		(Kilograms)	
Ice Cream - Industrial	25,000	12,250,000	2.57	10.10
Ice Cream - Confectionary	11,000	5,390,000	1.13	4.44
Total	36,000	17,640,000	3.70	14.54
HONG KONG - 1978				
Ice Cream		4,536,000		7.72
Sherbet		73,000		0.13
Water Ices		892,500		1.52
Total		5,501,500		9.37
INDIA - 1980	(Metric Tons		(Kilograms)	
Ice Cream	232,000	113,680,000	0.34	1.33

INTERNATIONAL STATISTICS

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
INDONESIA - 1982	(Liters)		(Liters)	
Ice Cream	1,640,000	433,200	0.01	0.02
IRAN - 1978	(Metric Tons)		(Kilograms)	
Ice Cream	10,615	5,201,000	0.28	1.09
IRELAND - 1983	(Liters)		(Liters)	
Ice Cream	26,000,000	6,869,000	7.36	15.59
ITALY - 1983	(Liters)		(Liters)	
Ice Cream Industrial	225,000,000	59,445,000	3.99	8.44
Small Establishments	100,000,000	26,420,000	1.77	3.75
Total	325,000,000	85,865,000	5.76	12.19
IVORY COAST - 1983	(Metric Tons)		(Kilograms)	
Ice Cream & Related Prod.	4,700	2,303,000	0.55	1.16
JAPAN - 1983	(Liters)		(Liters)	
Ice Cream	187,600,000	49,563,000	1.57	3.31
Ice Milk	63,300,000	16,724,000	0.53	1.12
Lacto Ices	302,600,000	79,947,000	2.53	5.34
Water Ices	314,500,000	83,091,000	2.63	5.55
Total	868,000,000	229,325,000	7.26	15.32
JORDAN - 1983	(Metric Tons)		(Pounds)	
Ice Cream & Related Prod.	1,600	784,000	1.36	2.42
KENYA - 1983	(Liters)		(Liters)	
Ice Cream	400,000	105,680	0.02	0.05
Milk Ices	50,000	13,210	--	--
Sherbet & Ices	8,500	2,245	--	--
Total	458,500	121,135	0-02	0.05
KOREA - 1983	(Kilograms)		(Kilograms)	
Ice Cream	25,500,728	12,495,000	0.62	2.42
LEBANON - 1983	(Metric Tons)		(Kilograms)	
Dairy Ice Cream	1,500	735,000	0.50	1.96
Ice Milk	200	98,000	0.07	0.27
Water Ices	500	184,000	0.17	0.50
Sherbet	1,200	441,000	0.40	1.18
Arabic Ice Cream	300	147,000	0.10	0.39
Total	3,700	1,605,000	1.24	4.30
LIBERIA - 1978	(Liters)		(Liters)	
Ice Cream 3/	149,448	39,484	0.09	0.18
MALAYSIA - 1982	(Liters)		(Liters)	
Ice Cream	4,858,800	1,283,700	0.34	0.73
Bars & Popsicles	3,900,800	1,030,600	0.28	0.58
Total	8,759,600	2,314,300	0.62	1.31
MEXICO - 1983	(Liters)		(Liters)	
Ice Cream	115,000,000	30,383,000	1.52	3.21
Sherbet & Water Ices	16,000,000	4,227,000	0.21	0.45
Total	131,000,000	34,610,000	1.73	3.66
MOROCCO - 1984	(Liters)		(Liters)	
Industrial Ice Cream	875,000	231,000	0.04	0.08
Other Related Products	2,400,000	634,000	0.10	0.21
Total	3,275,000	865,000	0.14	0.29

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
NETHERLANDS - 1982	(Liters)		(Liters)	
Ice Cream	16,341,000	4,317,000	1.14	2.41
Water Ices	6,404,000	1,692,000	0.45	0.95
Other	21,421,000	5,660,000	1.50	3.17
Total Industrial	44,166,000	11,669,000	3.09	6.53
Small Establishments	34,000,000	8,983,000	2.38	5.02
Total	78,166,000	20,652,000	5.47	11.55
NEW ZEALAND - 1983	(Liters)		(Liters)	
Ice Cream	50,129,000	13,244,000	15.33	32.37
Frozen Confections	5,418,000	1,431,400	1.66	3.50
Total	55,547,000	14,675,400	16.99	35.87
NIGERIA - 1980	(Liters)		(Liters)	
Ice Cream	2,200,000	581,000	0.03	0.07
NORWAY - 1983	(Liters)		(Liters)	
Ice Cream	36,466,700	9,634,500	8.83	18.66
Soft Ice Cream	1.897,300	501,300	0.46	0.97
Sherbet	1,635,700	432,200	0.40	0.84
Total	39,999,700	10,568,000	9.69	20.47
PAKISTAN - 1983	(Metric Tons)		(Kilograms)	
Ice Cream	23,100	11,319	0.26	1.02
Ice Milk	8,400	4,116	0.09	0.37
Sherbet	10,200	3,748	0.11	0.32
Total	41,700	19,183	0.46	1.71
PERU - 1982	(Liters)		(Liters)	
Ice Cream & Ice Milk	4,665,000	1,232,500	0.26	0.55
POLAND - 1983	(Metric Tons)		(Kilograms)	
Ice Cream - Industrial	20,000	9,800,000	0.55	2.16
Ice Cream - Confectionary	13,300	6,517,000	0.36	1.41
Total	33,300	16,317,000	0.91	3.57
PORTUGAL - 1983	(Metric Tons)		(Kilograms)	
Ice Cream	7,288	3,571,000	0.73	2.86
SINGAPORE - 1983	(Liters)		(Liters)	
Ice Cream	7,883,600	2,082,800	3.15	6.66
Imported Ice Cream	764,400	202,000	0.31	0.65
Total	8,648,000	2,284,800	3.46	7.31
SOUTH AFRICA - 1983	(Liters)		(Liters)	
Ice Cream	21,500,000	5,680,000	0.69	1.46
Ice Milk	3,300,000	872,000	0.11	0.22
Sherbet	40,000,000	10,568,000	1.29	2.72
Others	15,000,000	3,963,000	0.48	1.02
Total	79,800,000	21,083,000	2.57	5.42
SPAIN - 1983	(Metric Tons)		(Kilograms)	
Ice Cream	58,975	28,898,000	1.54	6.05
SWEDEN - 1983	(Liters)		(Liters)	
Ice Cream	99,530,000	26,296,000	11.95	25.25
Soft Ice Cream	8,040,000	2,124,000	0.97	2.04
Water Ices	5,030,000	1,329,000	0.60	1.28
Total	112,600,000	29,749,000	13.52	28.57

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
SWITZERLAND - 1983	(Liters)		(Liters)	
Ice Cream & Related Prod.	54,549,000	14,412,000	8.50	17.94
TAIWAN - 1983				
Ice Cream		8,697,754		3.72
Ice Cream Stick & Novelties		3,848,267		1.64
Total		12,546,021		5.36
TUNISIA - 1978	(Kilograms)		(Kilograms)	
Ice Cream	300,446	147,000	0.04	0.17
TURKEY - 1983	(Liters)		(Liters)	
Ice Cream & Sherbets	42,900,000	11,334,000	0.90	1.89
UNITED KINGDOM - 1983	(Liters)		(Liters)	
Bulk	104,584,000	27,631,000	1.87	3.95
Soft Ice Cream Mix 4/	8,803,000	2,326,000	0.16	0.33
Home Packs	94,922,000	25,078,000	1.69	3.58
Water Ices	14,743,000	3,895,000	0.26	0.56
Other Stick Confections	9,573,000	2,529,000	0.17	0.36
All Other	45,434,000	12,004,000	0.81	1.71
Total	278,059,000	73,463,000	4.96	10.49
URUGUAY - 1985	Kilograms)		(Kilograms)	
Ice Cream	2,652,000	1,299,500	0.89	3.48
USSR - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	158,500	77,665,000	0.59	2.30
VENEZUELA - 1983	(Liters)		(Liters)	
Ice Cream	2,228,300	588,700	0.13	0.28
Ice Milk	12,842,600	3,393,000	0.77	1.62
Sherbet & Water Ices	4,911,900	1,297,800	0.29	0.62
Total	19,982,800	5,279,500	1.19	2.52
YUGOSLAVIA - 1983	(Metric Tons)		(Kilograms)	
Ice Cream - Industrial	19,200	94,080,000	0.84	3.30
Small Establishments	3,500	17,150,000	0.15	0.60
Total	22,700	111,230,000	0.99	3.90

1/ Includes aerated milk-based confections and milk-based mixes for soft serves and thick shakes.
2/ Freezer-made milkshake derived by applying 40% overrun to milkshake base.
3/ Includes imported ice cream and sherbet.
4/ Converted into ready-made soft ice cream.

CONVERSION FACTORS:

1 Liter = .2642 U. S. Gallons
= 2.1114 U. S. Pints

1 U. S. Gallon of Ice Cream or Ice Milk = 4.5 Pounds
1 U. S. Gallon of Sherbet or Water Ices = 6.0 Pounds

1 Kilogram = 2.205 Pounds
= .4900 U. S. Gallons of Sherbet or Water Ices
= 3.920 U. S. Pints of Ice Cream or Ice Milk
= 2.940 U. S. Pints of Sherbet or Water Ices

1 Metric Ton (1,000 Kilograms) = 2,205 Pounds
= 490.0 U. S. Gallons of Ice Cream or Ice Milk
= 367.5 U. S. Gallons of Sherbet or Water Ices

Prepared by the International Association of Ice Cream Manufacturers from data supplied by Agriculture Attaches of the U. S. Department of Agriculture, or from government or trade statistics.

PRODUCTION OF ICE CREAM AND RELATED PRODUCTS - CANADA
1971-1984 1/

Year	Ice Cream			Freezer-made Milkshake 2/	Ice Milk	Sherbet	Water Ices	Total All Products
	Hard	Soft	Total					
	(Thousand Liters) 3/							
1971	254,591	17,848	272,439	10,826	7,901	3,519	12,847	307,532
1972	258,851	18,066	276,917	9,369	13,674	3,701	13,588	317,249
1973	256,954	18,221	275,175	10,304	13,879	3,914	15,402	318,674
1974	259,164	18,580	277,744	12,003	11,429	3,841	11,583	316,600
1975	266,515	20,717	287,232	11,820	12,675	3,337	12,602	327,666
1976	258,850	20,721	279,571	13,219	14,084	3,578	11,665	322,117
1977	269,637	21,536	291,173	15,364	15,219	3,122	11,398	336,276
1978	266,150	21,465	287,615	14,718	15,158	3,528	11,786	332,805
1979	289,748	17,921	307,669	24,112	12,130	3,664	12,744	360,319
1980	295,215	16,718	311,933	26,803	12,446	3,170	12,924	367,276
1981	292,421	19,549	311,970	28,094	13,429	2,900	13,074	369,467
1982	284,898	18,541	303,439	27,391	13,345	2,486	14,249	360,910
1983	293,784	17,805	311,589	28,239	13,435	3,194	16,266	372,723
1984	283,870	17,193	301,063	25,582	16,873	5,840	19,550	368,908

1/ Excludes production in Newfoundland and Prince Edward Island.

2/ Freezer-made milkshake derived by applying 40% overrun in milkshake mix.

3/ One U. S. quart equivalent to .946 liter.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

MONTHLY PRODUCTION OF ICE CREAM AND RELATED PRODUCTS - CANADA

1984 1/

Month	Ice Cream			Freezer-made Milkshake 2/	Ice Milk	Sherbet	Water Ices	Total All Products
	Hard	Soft	Total					
	(Thousand Liters) 3/							
January	16,239	482	16,721	1,476	796	150	473	19,616
February	17,544	470	18,014	1,693	840	328	972	21,847
March	23,051	657	23,708	2,066	1,478	490	1,805	29,547
April	25,260	1,533	26,793	2,197	1,472	685	2,141	33,288
May	27,602	2,194	29,796	2,353	2,085	652	2,731	37,617
June	32,234	3,141	35,375	2,632	2,933	982	3,954	45,876
July	32,525	3,421	35,946	2,906	2,121	612	3,384	44,969
August	31,452	2,494	33,946	2,905	1,359	1,104	2,076	41,390
September	22,584	1,226	23,810	2,086	1,421	285	1,312	28,914
October	18,713	753	19,466	1,963	1,085	355	367	23,236
November	18,648	444	19,092	1,711	728	104	180	21,815
December	18,018	378	18,396	1,594	555	93	155	20,793
YEAR	283,870	17,193	301,063	25,582	16,873	5,840	19,550	368,908

1/ Excludes production in Newfoundland and Prince Edward Island.

2/ Freezer-made milkshake derived by applying 40% overrun to milkshake mix.

3/ One U. S. quart equivalent to .946 liter.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

PER CAPITA PRODUCTION OF ICE CREAM - CANADA
BY PROVINCES - 1970-1984

Province	1970	1975	1980	1981	1982	1983	1984
			(Liters) 1/				
Alberta	16.06	17.12	14.59	14.55	13.50	14.68	15.47
British Columbia	13.26	13.71	14.44	14.27	12.57	12.46	10.65
Manitoba	15.41	18.65	20.43	21.09	19.94	19.92	18.20
New Brunswick	13.54	14.01	10.83	9.92	11.87	12.40	12.54
Nova Scotia	14.97	15.60	13.96	12.35	12.66	13.44	12.85
Ontario	12.80	11.22	13.06	13.65	13.32	13.56	12.78
Quebec	12.17	12.46	12.35	11.56	10.97	10.75	10.57
Saskatchewan	12.44	12.69	11.26	10.19	10.03	10.94	11.12
CANADA 2/	13.13	13.06	13.38	13.22	12.66	12.87	12.32

1/ One U. S. quart equivalent to .946 liter.
2/ Excludes production and population for Newfoundland and Prince Edward Island.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.